

Program

Monday, October 17

- 8:30 - 9:00 **Program Committee Executive Session (Orange Room, Bldg. 510)**
- 9:00 - 9:10 Welcome P. Bond
- 9:10 - 9:20 Introduction R. Palmer
- 9:20 -10:20 ATF Overview: Operations, Performance and Upgrades .. V. Yakimenko
- 10:20 - 10:50 * *Coffee Break* *
- 10:50 -11:30 CO₂ Laser at ATF..... I. Pogorelsky
- 11:30 - 12:10 Photocathode Drive Laser: Status and Upgrade Plans M. Babzien.
- 12:10 - 1:10 * * *Lunch* * *

Reports on Completed Experiments

- 1:10 - 1:40 Stimulated Dielectric Wakefield Acceleration S.Shchelkunov,
Columbia U.
- 1:40 - 2:10 Compton Scattering of Picosecond Electron and CO₂
Beams I. Pogorelsky,
BNL
- 2:10 - 2:40 Electron Beam Pulse Compression Based Physics A. Murokh,
UCLA
- 2:40 - 3:10 Optical Diffraction-Transition Radiation Interferometry
Diagnostics for Low-Emittance Beams R. Fiorito,
U. Maryland
- 3:10 - 3:40 * *Coffee Break* *

Reports on On-going Experiments

- 3:40 - 4:00 VISA II Experiment A. Murokh,
UCLA
- 4:00 - 4:20 Laser Wakefield Acceleration Driven by a CO₂ Laser
(STELLA-LW) W. Kimura,
STI Optronics
- 4:20 - 4:40 Multi-bunch Plasma Wakefield Acceleration at ATF P. Muggli,
USC
- 4:40 - 5:00 Ultrafast Detection of Relativistic Charged Particles by
Optical Techniques T. Tsang,
BNL
- 5:00 - 5:20 LACARA Experiment S. Shchelkunov,
Columbia Univ.

New Proposals

- 5:20 - 5:40 Ion Generation from Target P. Shkolnikov,
SUNY,
Stony Brook

Reports on Feasibility Studies

- 5:40 - 6:10 Parametric X-ray generation from target P. Shkolnikov,
SUNY,
Stony Brook

7:00 PM *DINNER - Room A, Berkner Hall*

Tuesday, October 18

Reports on Feasibility Studies (continued)

- 8:30 - 8:50 Emittance Optimization Using Active Transverse Laser Shaping S.Roychowdhury, Duke Univ.
- 8:50 - 9:10 CO₂ Laser Induced EUV T. Ariga, EUVA
- 9:10 - 9:30 Application of Thin SiC Films to Sub-Wavelength Lithography and Compact Particle Acceleration G. Shvets, Univ. Texas
- 9:30 - 9:50 Novel Vacuum Laser Acceleration Experiment at the BNL ATF F. Zhou, UCLA
- 9:50 - 10:10 Optical Stochastic Cooling of Gold Ion Beams in RHIC . V. Yakimenko, BNL
- 10:10 - 10:30 Particle Acceleration by Stimulated Emission of Radiation (PASER) L. Schachter, Technion
- 10:30 - 11:00 * *Coffee Break* *

Other Advanced Accelerator Research at BNL

- 11:00 - 11:30 Photocathode R&D A. Burrill
- 11:30 - 12:00 Muon Collider R&D R. Palmer
- 12:00 - 1:00 * * *Lunch* * *
- 12:00 - 1:00 (Working Lunch for Program Committee, Orange Room)
- 1:00 - 3:00 Open House at the ATF

UPDATED 10/07/05